

**M e m o r a n d u m**

Date: February 29, 2000

Telephone ATSS 653-0062

To: William J. Keese, Chairman  
Michal C. Moore, Commissioner  
Robert A. Laurie, Commissioner  
Robert Pernell, Commissioner

From : California Energy Commission  
1516 Ninth Street  
Sacramento 95814-5512

Kent Smith  
Acting Executive Director

Subject : **WESTERN MIDWAY SUNSET COGENERATION  
COMPANY (99-AFC-9)—REVISED DATA ADEQUACY  
RECOMMENDATION**

At the Business Meeting on February 9, 2000 13 of 23 areas of the Western Midway Sunset Application for Certification (AFC) were determined to be incomplete. On February 9, 2000, Western Midway Sunset provided data adequacy responses. Upon review of this additional information, we believe that the AFC is now adequate and meets the requirements of Cal. Code of Regs., tit. 20, § 1704, Appendix B. We, therefore, recommend that the Energy Commission find the application adequate.

Attached are summary table and data adequacy worksheets for the 13 technical disciplines in question. They are: Air Quality, Biological Resources, Cultural Resources, Facility Design, Geological Hazards Resources, Land Use, Project Overview, Socioeconomics, Traffic and Transportation, Transmission System Engineering, Visual Resources, Water Resources, and Worker Safety.

For the AFC to be complete, our regulations also require that the AFC contain all the necessary information required by the local air district to complete a Determination of Compliance with their rules. The San Joaquin Valley Air Pollution Control District has informed us that the application is complete for their purposes.

If you have any questions, please call Jack w. Caswell, Energy Commission's Project Manager, at (916) 653-0062.

Attachment

Mary Jane Wilson, WZI Inc.  
San Joaquin Valley Air Pollution Control District

file s/midway/letters/exdirltr.doc

## Data Adequacy Determination

TECHNICAL AREA	PAGE NO.	ADEQUATE?
Air Quality	3	Yes
Alternatives	8	Yes
Biological Resources	9	Yes
Cultural Resources	13	Yes
Efficiency	16	Yes
Facility Design	18	Yes
Geological Hazards and Resources	21	Yes
Hazardous Materials Handling	23	Yes
Land Use	25	Yes
Noise	28	Yes
Paleontological Resources	31	Yes
Project Overview	33	Yes
Public Health	37	Yes
Reliability	39	Yes
Socioeconomics	41	Yes
Soils	46	Yes
Traffic and Transportation	48	Yes
Transmission Line Safety and Nuisance.	50	Yes
Transmission System Eng.	53	Yes
Visual Resources	55	Yes
Waste Management	58	Yes
Water Resources	61	Yes
Worker Safety	64	Yes

Adequacy Issue: Adequate X Inadequate \_\_\_\_\_  
 Technical Area: Air Quality  
 Project Manager: Jack Caswell

**DATA ADEQUACY WORKSHEET**  
 Project: Western Midway Sunset Cogeneration Company Project  
 Docket: 99-AFC-9

Revision No. 1 Date January 20, 2000  
 Technical Staff: Joe Loyer  
 Technical Senior: Greg Newhouse

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC Section 5.2, AFC Appendix O AFC Electronic Data Files <u>AFC SI-5.2-1.2</u>	<del>NO</del> <u>Yes</u>	<del>Please include the construction emissions estimates for all linear facilities. Please clarify whether or not emissions from the duct burners are included in the daily and/or annual emission estimates.</del>
Appendix B (g) (8) (A)	The information necessary for the air pollution control district where the project is located to complete a Determination of Compliance.	<u>AFC Appendix Y</u>	<del>NO</del> <u>Yes</u>	<del>Provide the information necessary for the San Joaquin Unified Valley Air Pollution Control District to complete a Determination of Compliance.</del> The Commission received a letter dated February 18, 2000 from the San Joaquin Valley Unified Air Pollution Control District indicating that the DOC/ATC application is complete.
Appendix B (g) (8) (B)	The heating value and chemical characteristics of the proposed fuels, the stack height and diameter, the exhaust velocity and temperature, the heat rate and the expected capacity factor of the proposed facility.	AFC Section 5.2 AFC Appendix O <u>AFC SI-5.2-4</u>	<del>NO</del> <u>Yes</u>	<del>Please provide the heating values and chemical characteristics of the fuels (natural gas) that proposed to be burned at the facility.</del>
Appendix B (g) (8) (C)	A description of the control technologies proposed to limit the emission of criteria pollutants.	AFC Section 5.2	Yes	
Appendix B (g) (8) (D)	A description of the cooling system, the estimated cooling tower drift rate, the rate of water flow through the cooling tower, and the maximum concentrations of total dissolved solids.	AFC Appendix O	Yes	
Appendix B (g) (8) (E)	The emission rates of criteria pollutants from the stack, cooling towers, fuels and materials handling processes, delivery and storage systems, and from all secondary emission sources.	AFC Section 5.2 AFC Appendix O	Yes	

Appendix B (g) (8) (F)	A description of typical operational modes, and start-up and shutdown modes for the proposed project, including the estimated frequency of occurrence and duration of each mode, and estimated emission rate for each criteria pollutant during each mode.	AFC Section 5.2.4.2.1 AFC Appendix O	Yes	
Appendix B (g) (8) (G)	The ambient concentrations of all criteria pollutants for the previous three years as measured at the three Air Resources Board certified monitoring stations located closest to the project site, and an analysis of whether this data is representative of conditions at the project site. The applicant may substitute an explanation as to why information from one, two, or all stations is either not available or unnecessary.	AFC Section 5.2.1.2	Yes	
Appendix B (g) (8) (H)	One year of meteorological data collected from either the Federal Aviation Administration Class 1 station nearest to the project or from the project site, or meteorological data approved by the California Air Resources Board or the local air pollution control district.	AFC Section 5.2.1.1 AFC Appendix O	Yes	
Appendix B (g) (8) (H) (i)	If the data is collected from the project site, the applicant shall demonstrate compliance with the requirements of the U.S. Environmental Protection Agency document entitled "On-Site Meteorological Program Guidance for Regulatory Modeling Applications" (EPA - 450/4-87-013 (August 1995), which is incorporated by reference in its entirety.)	NA	NA	NA
Appendix B (g) (8) (H) (ii)	The data shall include quarterly wind tables and wind roses, ambient temperatures, relative humidity, stability and mixing heights, upper atmospheric air data, and an analysis of whether this data is representative of conditions at the project site.	AFC Appendix O	Yes	
Appendix B (g) (8) (I)	An evaluation of the project's direct and cumulative air quality impacts, consisting of the following:			

Appendix B (g) (8) (I) (i)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert pollutant impacts of project construction activities on ambient air quality conditions, including fugitive dust (PM <sub>10</sub> ) emissions from grading, excavation and site disturbance, as well as the combustion emissions [nitrogen oxides (NO <sub>x</sub> ), sulfur dioxide (SO <sub>2</sub> ), carbon monoxide (CO), and particulate matter less than 10 microns in diameter (PM <sub>10</sub> )] from construction-related equipment;	AFC Section 5.2.4.1 AFC Appendix O <u>AFC SI-5.2-5</u>	<del>No</del> <u>Yes</u>	<del>Please provide a modeling impact assessment of the construction emissions from linear facilities associated with the project.</del>
Appendix B (g) (8) (I) (ii)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert criteria pollutant (NO <sub>x</sub> , SO <sub>2</sub> , CO and PM <sub>10</sub> ) impacts on ambient air quality conditions of the project during typical (normal) operation, and during shutdown and startup modes of operation. Identify and include in the modeling of each operating mode the estimated maximum emissions rates and the assumed meteorological conditions; and	AFC Section 5.2.4.3.5 AFC Appendix O AFC Electronic Data Files <u>AFC SI-5.2-7</u>	<del>No</del> <u>Yes</u>	<del>Please provide a modeling impact assessment of the GE turbine, which is also under consideration for the project.</del>
Appendix B (g) (8) (I) (iii)	A protocol for a cumulative air quality modeling impacts analysis of the project's typical operating mode in combination with other stationary emissions sources within a six mile radius which have received construction permits but are not yet operational, or are in the permitting process. The cumulative inert pollutant impact analysis should assess whether estimated emissions concentrations will cause or contribute to a violation of any ambient air quality standard.	AFC Section 5.2.4.3.7	Yes	
Appendix B (g) (8) (J)	If an emission offset strategy is proposed to mitigate the project's impacts under subsection (g)(1), provide the following information:			
Appendix B (g) (8) (J) (i)	The quantity of offsets needed;	AFC Section 5.2.5.3	Yes	

Appendix B (g) (8) (J) (ii)	Potential offset sources, including location, and quantity of emission reductions; and	AFC Section 5.2.5.4 <u>AFC SI-5.2-9</u> <u>AFC Appendix O-13</u>	<del>No</del> <u>Yes</u>	<del>Please provide a list with the names of all the potential sources of SO<sub>2</sub>, VOC, and PM<sub>10</sub> offsets showing that these sources are, at least in principle, willing to negotiate the sale of the offsets to be used for this project. Please include information about the location and quantity of emission reductions available for each one of these potential sources. Note that the staff was very pleased to see a timely purchase of the NO<sub>x</sub> offsets and the related public filing in the AFC. Staff is requesting a similar public filing of the SO<sub>2</sub>, and PM<sub>10</sub> offset information, although this information may be filed on a confidential basis if necessary.</del>
Appendix B (g) (8) (J) (iii)	Method of emission reduction.	AFC Section 5.2.5	Yes	
Appendix B (g) (8) (K)	A topographic map containing contour and elevation data, at a scale of 1:24,000, showing the area within 6 miles of the power plant site.	AFC MAP 5.2-1	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	AFC Table 7.1-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	AFC Table 5.2-36	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC Section 5.2.8	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	AFC Section 5.2.10 <u>AFC SI -5.2-10</u>	<del>No</del> <u>Yes</u>	<del>Please include these phone numbers: SJVUAPCD, Melissa Adams 661-326-6959 EPA, Matt Haber 415-744-1254</del>

Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	AFC Section 5.2.11 <u>AFC SI-5.2-11</u>	<del>No</del> <u>Yes</u>	<del>Please provide the date that MSCC plans to submit a Prevention of Significant Deterioration (PSD) applicability analysis to EPA (as noted AFC p.5.2-15) and if necessary a PSD permit application.</del>
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Adequacy Issue: Adequate X Inadequate \_\_\_\_\_ DATA ADEQUACY WORKSHEET  
 Technical Area: Alternatives Project: Western Midway Sunset Revision No. 0 Date 1/14/99  
 Project Manager: Jack Caswell Docket: 99-AFC-9 Technical Staff: Eileen Allen  
 Technical Senior: Roger E. Johnson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (D)	A description of how the site and related facilities were selected and the consideration given to engineering constraints, site geology, environmental impacts, water, waste and fuel constraints, electric transmission constraints, and any other factors considered by the applicant.	p.3.11-1 through 3.11-17, Section 3.11	Yes	
Appendix B (f) (1)	A discussion of the range of reasonable alternatives to the project, or to the location of the project, including the no project alternative, which would feasibly attain most of the basic objectives of the project but would avoid or substantially lessen any of the significant effects of the project, and an evaluation of the comparative merits of the alternatives. In accordance with Public Resources Code section 25540.6(b), a discussion of the applicant's site selection criteria, any alternative sites considered for the project, and the reasons why the applicant chose the proposed site.	p.3.11-1 through 3.11-17, Section 3.11	Yes	
Appendix B (f) (2)	An evaluation of the comparative engineering, economic, and environmental merits of the alternatives discussed in subsection (f)(1).	p.3.11-1 through 3.11-17, Section 3.11	Yes	

Adequacy Issue: Adequate X Inadequate

## DATA ADEQUACY WORKSHEET

Revision No. 1 Date January 7, 2000

Technical Area: Biological Resources

Project: Western Midway Sunset Cogen. Co. Project

Technical Staff: Marc Sazaki

Project Manager: Jack Caswell

Docket: 99-AFC-9

Technical Senior: Dr. James Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AI CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pages 5.6-4 through 5.6-2 (§5.6.1 – 5.6.7) and Appendix I	Yes	
Appendix B (g) (13) (A)	A regional overview and discussion of biological resources, with particular attention to sensitive biological resources near the project and a map at a scale of 1:100,000 (or some other suitable scale) showing their location in relation to the project.	Pages 5.6-5 through 5.6-6 Table 5.6-1 & 5.6-2 Appendix I (Mull Report – July 1999) Pages 1-7, Figure 1	Yes	
Appendix B (g) (13) (B)	A discussion and detailed maps at a scale of 1:6,000, of the biological resources at the site of the proposed project and related facilities, and in areas adjacent to them, out to a mile from the site and 1000 feet from the outer edge of linear facility corridors. Include a list of the species actually observed and those with a potential to occur. The discussion and maps shall address the distribution of community types, denning or nesting sites, population concentrations, migration corridors, breeding habitats, and the presence of sensitive biological resources.	Pages 5.6-7 through 5.6-9 Tables 5.6-3, 5.6-4, 5.6-5 & 5.6-6 Appendix B of Appendix I Pages 13 through 29 Maps: Midway Map 1-17	Yes	

Appendix B (g) (13) (C)	A description of all studies and surveys used to provide biological information about the project site, including seasonal surveys and copies of the California Department of Fish and Game's Natural Diversity Data Base Survey Forms, "California Native Species Field Survey Forms", and "California Natural Community Field Survey Forms", completed by the applicant. Include the dates and duration of the studies, methods used to complete the studies, and the names and qualifications of individuals conducting the studies.	Methods: Appendix I Pages 9 through 10 (§6.4)  Native Species Field Survey Forms: Appendix C of Appendix I	Yes	
Appendix B (g) (13) (D)	A discussion of all permanent and temporary impacts to biological resources from site preparation, construction activities, and plant operation. Discussion of impacts must consider impacts from cooling tower drift, and from the use and discharge of water during construction and operation. For facilities which use once-through cooling or take or discharge water directly from or to natural sources, discuss impacts resulting from entrainment, impingement, thermal discharge, effluent chemicals, type of pump (if applicable), temperature, volume and rate of flow at intake and discharge location, and plume configuration in receiving water.	Impacts: Pages 5.6-9 through 5.6-17 (§5.6.2-5.6.2.4)  Cooling tower drift: Pages 5.6-12 (§5.6.2.1.2)	Yes	
Appendix B (g) (13) (E)	A discussion of the following:	--	--	--
Appendix B (g) (13) (E) (i)	All measures proposed to avoid and/or reduce any adverse impacts;	Pages 5.6-17 through 5.6-27 (§5.6.4-5.6.5)	Yes	
Appendix B (g) (13) (E) (ii)	All measures proposed to mitigate any adverse impacts, including any proposals for off-site mitigation; and	Pages 5.6-17 through 5.6-27 (§5.6.4-5.6.5)	Yes	
Appendix B (g) (13) (E) (iii)	Any educational programs proposed to enhance employee awareness in order to protect biological resources.	Page 5.6-18 (§5.6.4.1)	Yes	
Appendix B (g) (13) (F)	A discussion of compliance and monitoring programs proposed to ensure the effectiveness of mitigation measures incorporated into the project.	Page 5.6-22 through 5.6-26 (§5.6.4.1)	Yes	
Appendix B (g) (13) (G)	A discussion of native fish and wildlife species of commercial and/or recreational value that could be impacted by the project.	Page 5.6-2 (§5.6.1.3)	Yes	

Appendix B (g) (13) (H)	For purposes of this section, sensitive biological resources are one of the following:	--	--	--
Appendix B (g) (13) (H) (i)	Species listed under state or federal Endangered Species Acts;	Pages 5.6-5 through 5.6-7 (§5.6.1.5)	Yes	
Appendix B (g) (13) (H) (ii)	Resources defined in sections 1702 (q) and (v) of Title 20 of the California Code of Regulations; and	Pages 5.6-2 & 5.6-3 (§5.6.1.4.1 – 5.6.1.4.4)	Yes	
Appendix B (g) (13) (H) (iii)	Species or habitats identified by legislative acts as requiring protection.	Appendix A of Appendix I Pages 1-9	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Pages 5.6-28 through 5.6-30 (Table 5.6-9)	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Pages 5.6-31 (Table 5.6-9)	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Page 5.6-2 through 5.6-27 (§5.6.2 – 5.6.5)	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Page 5.6-31 (Table 5.6-10) (§ 5.6.8)	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Pages 5.6-32 (Table 5.6-11) (§5.6.9)	Yes	

Adequacy Issue: Adequate X  
 Technical Area: Cultural Resources  
 Project Manager: Jack Caswell

# DATA ADEQUACY WORKSHEET

Project: Midway-Sunset  
 Docket: 99-AFC-9

Revision No. 0 Date 1/13/00  
 Technical Staff: Dorothy Torres  
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC Vol 1, Sec. 5.7.1.9 to 5.7.2.1  AFC Vol 1, Sec. 5.7.5  AFC Vol 1, p. 5.7-19 to p 5.7.22  AFC Vol 1, Sec. 5.7.3.1	Yes	
Appendix B (g) (2) (A)	A brief summary of the ethnology, prehistory, and history of the region in which the project site and related facilities are located and maps at a scale of 1:24,000, indicating areas of ethnographic occupation. The region may vary depending on the extent of the territory occupied or used by prehistoric cultures indigenous to the area in which the project is located.	AFC Vol 1, Sec 5.7.1.6 to 5.7.1.7.2  AFC Vol 1, Map. 3.2-1.	Yes	
Appendix B (g) (2) (B)	A description of all literature searches and field surveys used to provide information about known cultural resources in the project vicinity. If survey records of the area potentially physically affected by the project are not available, and the area has the potential for containing significant cultural resources, the applicant shall submit a new or revised survey for any portion of the area lacking comprehensive survey data. A discussion of the dates of the surveys, methods used in completing the surveys, and the identification and qualification of the individuals conducting the surveys shall be included.	AFC Vol 1, 5.7.1.8.2 & Letter Re. Arch Records Search page 3-5  AFC Vol 1 Sec. 5.7.1.9.1 & 5.7.1.9 & 5.7.1.93  Confidential, supplemental Information 2/9/00/ and Cultural Resources Map 2000.	YesNo	<del>Please provide a discussion of the dates of surveys; please add the months the surveys were conducted. Please also provide the qualifications of the people conducting the surveys.</del>  <del>Please also provide a discussion of the methods used in completing the surveys.</del>

Appendix B (g) (2) (C)	A discussion of the sensitivity of the project area described in subsection (g)(2)(A) and the presence and significance of any known archeological sites and other cultural resources that may be affected by the project. Information on the specific location of archeological resources shall be included in a separate appendix to the application and submitted to the Commission under a request for confidentiality pursuant to Title 20, California Code of Regulations, § 2501 et seq.	AFC Vol 1, 5.7.2.1  AFC Vol 1, 5.7.2.1  Cultural Resources Map, submitted under confidential filing.  Confidential, Supplemental Information 2/9/00 and Cultural Resources Map 2000.	YesNo	<del>Please define the Area of Potential Effect (APE) and specify the width of the area of potential effects in feet. Please provide current site records for all sites and isolates located within the APE. (Please provide site records and information describing the location of sites under confidential cover).</del>  <del>Please add APE to Map filed under confidential cover. Please also indicate the width of the survey area in the area of the project and at all the project linears.</del>
Appendix B (g) (2) (D)	A summary of contacts and communications with, and responses from, Native American representatives who may have an interest in heritage lands and/or resources potentially affected by the proposed project.		YesNo	The AFC Vol 1, Sec. 5.7.1.7 states that the Bureau of Land Management will contact interested Native Americans. The BLM only addresses concerns on BLM land. Additional contacts need to be made on behalf of the project. Please contact the Native American Heritage commission and obtain a list of Native American representatives who wish to be contacted regarding construction disturbance in the project vicinity.  Please contact these Native American representatives and determine if they have an interest in the proposed project.  Please provide a summary of the contacts and communication.
Appendix B (g) (2) (E)	In the discussion on mitigation and monitoring prepared pursuant to subsection (g)(1), a discussion of any educational programs proposed to enhance awareness of potential impacts to archeological resources by employees and contractors, measures proposed for mitigation of impacts to known cultural resources, and a set of contingency measures for mitigation of potential impacts to previously unknown cultural resources.	AFC Vol 1, p 5.7-20  AFC Vol 1 p 5.7-20  Arch record search letter.	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	AFC Vol 1, p 5.7-22  AFC Vol 1, p 7.0-48	Yes	Note: AFC Vol 1, p 5.7-21 Cult-5. CEQA Law was revised effective 1/1/99. Appendix K no longer exists.

Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	AFC Vol 1, Table 5.7-3	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC Vol 1 p 5.7-22 to p 5.7-24	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	AFC Vol 1, p 5.7-25	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	AFC Vol 1, p 5.7-25	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: Efficiency  
 Project Manager: Jack Caswell

# DATA ADEQUACY WORKSHEET

Project: Midway Sunset  
 Docket: 99-AFC-9

Revision No. 0 Date January 5, 2000  
 Technical Staff: Steve Baker  
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§§ 1.1, 1.2, 1.5.2, 1.6, 2.1, 2.2, 3.1, 3.2, 3.3.3, 3.4.4.1, 3.4.4.2, 3.4.4.3, 3.4.4.4, 3.4.7, 3.7.1, 3.9.2, 3.11.3.2, 3.11.3.3, 3.11.3.5, 4.3.2.1, 4.3.3, 6.0, 7.4.1.2; Appendix A	Yes	
Appendix B (i) (4) (A)	Heat and mass balance diagrams for design conditions for each mode of operation.	Appendix A	Yes	
Appendix B (i) (4) (B)	Annual fuel consumption in BTUs for each mode of operation.	Appendix, A, Tables A-1 thru A-12	Yes	
Appendix B (i) (4) (C)	Annual net electrical energy produced in MWh for each mode of operation.	Appendix, A, Tables A-1 thru A-12	Yes	
Appendix B (i) (4) (D)	Number of hours the plant will be operated in each mode of operation in each year.	§§ 1.6, 3.9.2.2, 4.3.3; Appendix A	Yes	
Appendix B (i) (4) (E)	If the project will be a cogeneration facility, calculations showing compliance with applicable efficiency and operating standards.	N/A	N/A	
Appendix B (i) (4) (F)	A discussion of alternative generating technologies available for the project, including the projected efficiency of each, and an explanation why the chosen equipment was selected over these alternatives.	§§ 3.11.3.2, 3.11.3.3, 3.11.3.5	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	N/A	N/A	



Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	N/A	N/A	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	N/A	N/A	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	N/A	N/A	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A	N/A	

Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: **Facility Design**  
 Project Manager: Jack Caswell

**DATA ADEQUACY WORKSHEET**  
 Project: Western Midway Sunset Cogeneration  
 Docket: 99-AFC-9

Revision No. 1 Date Feb. 29, 00  
 Technical Staff: Kisabuli & Bob Anderson  
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g)(1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sections 1.5, 1.6, 1.8.2, 3 and 5.3; Appendices C through H	Yes	
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	Map 5.5-2	Yes	
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	Page 5.5-1, Section 5.5.1 Table 5.5-2, Page 5.5-1, Section 5.3.1	Yes	
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	Figure 3.5-1	Yes	
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	Section 5.5.1.7.2, Section 5.5.5.1.4, Section 5.14.2.1.1, Section 5.14.2.2.1	See Water Resources	
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	Page 5.5-17 and Section 5.5.2.1.3	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed.	Section 7 and Table 7.1-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 7 and Table 7.1-1	Yes	

Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sections 1.7, 3.3.1, 3.4.13, 3.5, 4.1.1 and 7. Appendices A, B, C, E and F	Yes	
Appendix B (h) (3)	The name, title, telephone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 7	Yes	Charles Lackey Engineering & Survey Services Department Kern County Resource Management Agency 2700 M St., Suite 570 Bakersfield, CA 93301-2370 (661) 862-5100
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 7	Yes	
Appendix B (i) (1) (A)	A description of the site conditions and investigations or studies conducted to determine the site conditions used as the basis for developing design criteria. The descriptions shall include, but not be limited to, seismic and other geologic hazards, adverse conditions that could affect the project's foundation, adverse meteorological and climatic conditions, and flooding hazards, if applicable.	Sections 3.3 and 5.3; Appendices C and H	Yes	
Appendix B (i) (1) (B)	A discussion of any measures proposed to improve adverse site conditions.	Section 5.3 and Appendices C and H	Yes	
Appendix B (i) (1) (C)	A description of the proposed foundation types, design criteria (including derivation), analytical techniques, assumptions, loading conditions, and loading combinations to be used in the design of facility structures and major mechanical and electrical equipment.	Section 5.3 and Appendix C	Yes	
Appendix B (i) (1) (D)	For each of the following facilities and/or systems, provide a description including drawings, dimensions, surface-area requirements, typical operating data, and performance and design criteria for protection from impacts due to adverse site conditions:			
Appendix B (i) (1) (D) (i)	The power generation system;	Section 1.5.2	Yes	
Appendix B (i) (1) (D) (ii)	The heat dissipation system;	Section 3.4.4.4	Yes	
Appendix B (i) (1) (D) (iii)	The cooling water supply system, and, where applicable, pre-plant treatment procedures;	Sections 1.5.6 and 3.5.4	Yes	
Appendix B (i) (1) (D) (iv)	The atmospheric emission control system;	Sections 3.4.8 and 5.2	Yes	
Appendix B (i) (1) (D) (v)	The waste disposal system and on-site disposal sites;	Section 5.14	Yes	

Appendix B (i) (1) (D) (vii)	The geothermal resource conveyance and re-injection lines (if applicable);	-N/A-		
Appendix B (i) (1) (D) (viii)	Switchyards/transformer systems; and	Section 3.4.5	Yes	
Appendix B (i) (1) (D) (ix)	Other significant facilities, structures, or system components proposed by the applicant.	Sections 2.2, 3.5, 7 and Appendix C	Yes	

Adequacy Issue: Adequate <u>X</u> Inadequate		<b>DATA ADEQUACY WORKSHEET</b>		Revision No. <u>1</u>	Date <u>12/31//99</u>
Technical Area:	<b>Geological Hazards and Resources</b>	Project:	Western Midway Sunset Cogeneration Company Project	Technical Staff:	Robert Anderson
Project Manager:	Jack Caswell	Docket:	99-AFC-9	Technical Senior:	Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AI CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Page 5.3-1, Section 5.3.1 Pages 5.3-57 through 5.3-58, Sections 5.3.2 through 5.3.5  Appendix "H" Page 2-1	Yes	
Appendix B (g) (17) (A)	A summary of the geology, seismicity, and geologic resources of the project site and related facilities;	Pages 5.3-7 through 5.3-56, Sections 5.3.1.1 through 5.3.1.3.5	Yes	
Appendix B (g) (17) (B)	A map at a scale of 1:24,000 and description of all recognized stratigraphic units, geologic structures, and geomorphic features within 2 miles of the project site. Include an analysis of the likelihood of ground rupture, seismic shaking, mass wasting and slope stability, liquefaction, subsidence, and expansion or collapse of soil structures.	Figure 5.3-11 Pages 5.3-7 through Page 5.3-56, Sections 5.3.1.1 through 5.3.1.5 Page 5.3-45, Section 5.3.1.6 <u>AFC Supplement no. 1</u> <u>Map SI-5.3-1</u>	<del>No</del> Yes	<del>Please revise Figure 5.3-11 to include all stratigraphic units, geologic and geomorphic features within two miles of the project site.</del>
Appendix B (g) (17) (C)	A map and description of geologic resources of recreational, commercial, or scientific value which may be affected by the project. Include a discussion of the techniques used to identify and evaluate these resources.	Figure 5.3-2 Figure 5.3-10 Figure 5.3-12 Page 5.3-56, Section 5.3.1.3.5 <u>AFC Supplement no. 1</u> <u>page SI-5.3-2</u>	<del>No</del> Yes	<del>Please include a discussion of the technique used to identify and evaluate geologic resources.</del>

Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Page 7.0-39, Table 7.1-1 and page 7.5.3 <u>AFC Supplement no. 1</u> <u>page SI-5.3-3</u>	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.3-5 and Table 5.3-6	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Page 5.3-59, Section 5.3.6 Page 7.0-1, Section 7.3.1 <u>AFC Supplement no. 1</u> <u>pages SI-5.3-3 and 4</u>	<del>No</del> <u>Yes</u>	<del>Please include a discussion as to how the project is to conform to the requirements listed in subsection (h)(1)(A).</del>
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.3-5	Yes	

Adequacy Issue: Adequate X Inadequate \_\_\_\_\_  
 Technical Area: Hazardous Materials Handling  
 Project Manager: Jack Caswell

**DATA ADEQUACY WORKSHEET**

Project: Midway Sunset Cogeneration Company  
 Docket: 99-AFC-9

Revision No. 0 Date 1/11/2000  
 Technical Staff: R. Tyler  
 Technical Senior: S. Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
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Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.15	Yes	
Appendix B (g) (10) (A)	A list of all materials used or stored on-site which are hazardous or acutely hazardous, as defined in Title 22, California Code of Regulations, § 66261.20 et seq., and a discussion of the toxicity of each material.	Table 5.15-1 and 5.15-2	Yes	
Appendix B (g) (10) (B)	A map at a scale of 1:24,000 depicting the location of schools, hospitals, day-care facilities, emergency response facilities and long-term health care facilities, within the area potentially affected by any release of hazardous materials.	Map 15.6-2	Yes	
Appendix B (g) (10) (C)	A discussion of the storage and handling system for each hazardous material used or stored at the site.	Section 5.15.3.2.1, 5.15.3.2.2 and 5.15.3.3	Yes	
Appendix B (g) (10) (D)	The protocol that will be used in modeling potential consequences of accidental releases that could result in off site impacts. Identify the model(s) to be used, a description of all input assumptions, including meteorological conditions. The results of the modeling analysis can be submitted after the AFC is complete.	Section 5.15.2	Yes	
Appendix B (g) (10) (E)	A discussion of whether a risk management plan (Health and Safety Code § 25531 et seq.) will be required, and if so, the requirements that will likely be incorporated into the plan.	Section 5.15.2.2.4	Yes	
Appendix B (g) (10) (F)	A discussion of measures proposed to reduce the risk of any release of hazardous materials.	Section 5.15.2 and 5.15.3	Yes	
Appendix B (g) (10) (G)	A discussion of the fire and explosion risks associated with the project.	Section 5.15.2.2.8	Yes	

Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 5.15-4	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.15-4 and 5.15-5	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.15.7	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.15-5	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	NA	NA	No permits are required



Adequacy Issue: Adequate ☒ Inadequate ☐

Technical Area: **Land Use**

Project Manager: Jack Caswell

## DATA ADEQUACY WORKSHEET

Project: Midway Sunset

Docket: 99-AFC-9

Revision No. 1 Date 2/10/00

Technical Staff: Amanda Stennick

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sections 5.9.1; 5.9.1.2; 5.9.1.2.1 through 5.9.1.2.5; 5.9.1.3; 5.9.1.4; 5.9.1.5; 5.9.2 through 5.9.6	Yes	
Appendix B (g) (3) (A)	A discussion of existing land uses and current zoning at the site, land uses and land use patterns within one mile of the proposed site and within one-quarter mile of any project-related linear facilities. Include:	Tables 5.9-1 through -4 Map 5.9-1 Sections 5.9.1.1; 5.9.1.2.2; 5.9.1.3.1; 5.9.1.5.2;	Yes	
Appendix B (g) (3) (A) (i)	An identification of residential, commercial, industrial, recreational, scenic, agricultural, natural resource protection, natural resource extraction, educational, religious, cultural, and historic areas, and any other area of unique land uses;	Table 5.9-4 Sections 5.9.1.2.2; 5.9.1.3.2; 5.9.1.5.3	Yes	
Appendix B (g) (3) (A) (ii)	A discussion of any trends in recent zoning changes and potential future land use development;	Section 5.9.1.2.1	Yes	
Appendix B (g) (3) (A) (iii)	Identification of all discretionary reviews by public agencies initiated or completed within 18 months prior to filing the application for those changes or developments identified in subsection (g)(3)(A)(ii); and	NA	NA	

Appendix B (g) (3) (A) iv)	Legible maps of the areas identified in subsection (g)(3)(A) potentially affected by the project, on which existing land uses, jurisdictional boundaries, general plan designations, specific plan designations, and zoning have been clearly delineated.	Map 5.9-2 <u>Supplemental tables S.9-1 and 5.9-5 Revised map 5.9-2</u>	<del>No</del> <u>Yes</u>	<del>Table 5.9-2 identifies five zoning designations within the project area (Exclusive Agriculture, Limited Agriculture, Natural Resource, Estal and Low-Density Residential); Whereas Map 5.9-2 shows only two zoning districts (Exclusive Agriculture, Limited Agriculture). On both th</del> <del>Map 5.9-2 and Table 5.9-2, please reconcile zoning affected by the project. Tables 5.9-1</del> <del>5.9-5 also are inconsistent as to which gene</del> <del>plan designations are affected by the projec</del> <del>Please rectify this and indicate on a map all</del> <del>general plan designations within the project</del> <del>area, including overlay zones, if they exist w</del> <del>the project area. MSCC's supplemental</del> <del>submittal (Tables 5.9-1 and 5.9-5) reconcile</del> <del>issue of correct project zoning; Map 5.9-2 h</del> <del>been revised to depict the general plan</del> <del>designations, including overlay zones within</del> <del>project area.</del>
Appendix B (g) (3) (B)	A discussion of the compatibility of the proposed facilities with present and expected land uses, and conformity with any long-range land use plans adopted by any federal, state, regional, or local planning agency. The discussion shall identify the need, if any, for variances or any measures that would be necessary to make the proposal conform with permitted land uses	Sections 5.9.2.2.3; 5.9.2.2.4; 5.9.2.3.3; 5.9.2.3.5; 5.9.2.3.8; 5.9.2.4.3; 5.9.2.4.4 Table 5.9-10	Yes	
Appendix B (g) (15) (B)	A map at a scale of 1:24,000 and written description of agricultural land uses found within all areas affected by the proposed project. The description shall include:	Table 5.9-8 Sections 5.4.1.2.1; 5.4.1.2.2 Map 5.9-1	Yes	
Appendix B (g) (15) (B) (i)	Crop types, irrigation systems, and any special cultivation practices; and	Table 5.9-8	Yes	
Appendix B (g) (15) (B) (ii)	Whether farmland affected by the project is prime, of statewide importance, or unique as defined by the Natural Resource Conservation Service of the California Department of Conservation.	Sections 5.4.1.2.1; 5.4.1.2.2	Yes	
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This decision shall include:	See below	Yes	
Appendix B (g) (15) (C) (ii)	Direct and indirect effects on agricultural land uses; and	Sections 5.4.2.1.2; 5.4.2.1.3; 5.4.2.2.1; 5.4.2.2.2	Yes	

Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 7.5.9	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 7.5.9	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.9.6	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.9-9	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 5.9-10	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date January 5, 2001

Technical Area: Noise

Project: Midway Sunset

Technical Staff: Steve Baker

Project Manager: Jack Caswell

Docket: 99-AFC-9

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§§ 1.1, 1.4, 1.5, 1.5.4, 1.8.6, 3.8; Chapter 5.12; §§ 5.18.1, 5.18.12, 7.5.12; Appendix S	Yes	
Appendix B (g) (4) (A)	A land use map which identifies residences, hospitals, libraries, schools, places of worship, or other facilities where quiet is an important attribute of the environment within the area impacted by the proposed project. The area impacted by the proposed project is that area where there is a potential increase of 5 dB(A) or more, during either construction or operation, over existing background levels.	Figures 5.12-1, 5.12-2	Yes	
Appendix B (g) (4) (B)	A description of the ambient noise levels at those sites identified under subsection (g)(4)(A) which the applicant believes provide a representative characterization of the ambient noise levels in the project vicinity, and a discussion of the general atmospheric conditions, including temperature, humidity, and the presence of wind and rain at the time of the measurements. The existing noise levels shall be determined by taking noise measurements for a minimum of 25 consecutive hours at a minimum of one site. Other sites may be monitored for duration at the applicant's discretion during the same 25-hour period. The results of the noise level measurements shall be reported in $L_{eq}$ (equivalent sound or noise level), $L_{dn}$ (day-night sound or noise level) or CNEL (Community Noise Equivalent Level) in units of dB(A). The $L_{10}$ , $L_{50}$ , and $L_{90}$ values (noise levels exceeded 10 percent, 50 percent, and 90 percent of the time, respectively) shall also be reported.	§§ 5.12.1.3; Tables 5.12-1 thru 5.12-5	Yes	
Appendix B (g) (4) (C)	A description of the major noise sources of the project, including the range of noise levels and the tonal and frequency characteristics of the noise emitted.	§§ 5.12.2.2, 5.12.5.4	Yes	

Appendix B (g) (4) (D)	An estimate of the project noise levels, during both construction and operation, at residences, hospitals, libraries, schools, places of worship or other facilities where quiet is an important attribute of the environment, within the area impacted by the proposed project.	§§ 5.12.2.1, 5.12.2.2, 5.12.2.3, 5.12.2.5, 5.12.2.6, 5.12.5.4	Yes	
Appendix B (g) (4) (E)	An estimate of the project noise levels within the project site boundary during both construction and operation and the impact to the workers at the site due to the estimated noise levels.	§§ 5.12.2.3, 5.12.2.4, 5.12.3.2	Yes	
Appendix B (g) (4) (F)	The audible noise from existing switchyards and overhead transmission lines that would be affected by the project and estimates of the future audible noise levels that would result from existing and proposed switchyards and transmission lines. Noise levels shall be calculated at the property boundary for switchyards and at the edge of the rights-of-way for transmission lines.	§§ 5.12.2.5, 5.12.2.6, 5.12.3.3	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.1-1, § 7.5.12	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 7.1-1, § 7.5.12; § 5.12.5.3	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	§§ 5.12.2.1, 5.12.2.3, 5.12.2.4, 5.12.3.1, 5.12.3.2, 5.12.3.3, 5.12.5.4	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	§ 5.12.6	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	§ 5.12.7	Yes	



Adequacy Issue: Adequate ☒ Inadequate ☐

Technical Area: Paleontological Resources

Project Manager: Jack Caswell

## DATA ADEQUACY WORKSHEET

Project: Western Midway Sunset Cogeneration Company Project

Docket: 99-AFC-9

Revision No. 0

Date 01/03/00

Technical Staff:

Robert Anderson

Technical Senior:

Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pages 5.8-2 through 5.8-3, Section 5.8.1 Pages 5.8-16 through 5.8-19, Sections 5.8.2 through 5.8.5	Yes	
Appendix B (g) (16) (A)	Identification of the physiographic province and a brief summary of the geologic setting, formations, and stratigraphy of the project area. The area may vary depending on the depositional history of the area.	Pages 5.8-2 and 5.8-3, Section 5.8.1 Pages 5.8-10 through 5.8-15, Section 5.8.1.4	Yes	
Appendix B (g) (16) (B)	A discussion of the sensitivity of the project area described in subsection (g)(16)(A) and the presence and significance of any known paleontologic localities or other paleontologic resources within or adjacent to the project.	Page 5.8-4, Section 5.8.1.3. Pages 5.8-10 through 5.8-16, Section 5.8.1.4.1 through 5.8.2.3. Appendix "N"	Yes	
Appendix B (g) (16) (C)	A summary of all literature searches and field surveys used to provide information about paleontologic resources in the project area described in subsection (g)(16)(A). Identify the dates of the surveys, methods used in completing the surveys, and the names and qualifications of the individuals conducting the surveys.	Page 5.8-3, Section 5.8.1.2 Page 5.8-9, Section 5.8.1.4	Yes	
Appendix B (g) (16) (D)	Information on the specific location of known paleontologic resources, survey reports, locality records, and maps at a scale of 1:24,000, shall be included in a separate appendix to the Application and submitted to the Commission under a request for confidentiality, pursuant to Title 20, California Code of Regulations, § 2501 et seq.	Appendix "N", Pages 174-193 and Paleontological Resources Map, scale 1:24,000, dated 1999 (Confidential)	Yes	

Appendix B (g) (16) (E)	A discussion of any educational programs proposed to enhance awareness of potential impacts to paleontological resources by employees, measures proposed for mitigation of impacts to known paleontologic resources, and a set of contingency measures for mitigation of potential impacts to currently unknown paleontologic resources.	Page 5.8-18, Section 5.8.3	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Page 5.8-21, Table 5.8-2	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Page 5.8-21, Table 5.8-3	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Page 7.15-2, Section 7.15.3	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Page 5.8-21, Table 5.8-3	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Page 5.8-22, Section 5.8.8	Yes	



Adequacy Issue: Adequate ☒ Inadequate ☐

## DATA ADEQUACY WORKSHEET

Revision No. 1 Date 1/14/00

Technical Area: Project Overview

Project: Western Midway Sunset

Technical Staff: Eileen Allen

Project Manager: Jack Caswell

Docket: 99-AFC-9

Technical Senior: Roger E. Johnson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Cal. Code Regs., tit. 20, § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Entire AFC	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (3) (B)	Descriptions, including methodologies and findings, of all major studies or research efforts undertaken and relied upon to provide information for the document; and a description of ongoing research of significance to the project (including expected completion dates; and	Entire AFC	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (3) (C)	A list of all literature relied upon or referenced in the documents, along with brief discussions of the relevance of each such reference	Entire AFC	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (4)	Each principle subject area covered in a notice or application shall be set forth in a separate chapter or section, each of which shall identify the person or persons responsible for its preparation.	Entire AFC	Yes	
Appendix B (a) (1) (A)	A general description of the proposed site and related facilities, including the location of the site or transmission routes, the type, size and capacity of the generating or transmission facilities, fuel characteristics, fuel supply, water supply, pollution control systems, and other general characteristics.	p.1-1 through 1-17 , Section 1.0 p.3.1-1 through 3.11-17, Section 3.0	Yes	
Appendix B (a) (1) (B)	Identification of the location of the proposed site and related facilities by section, township, range, county and assessors parcel numbers.	p.3.2-1, Section 3.2	No-Yes	<del>Please provide the assessor's parcel number for the proposed project site. If it is part of the same parcel as the existing facility, please state that Appendix W contains the assessor's number for the surrounding parcels, but not for the proposed site.</del>
Appendix B (a) (1) (C)	A description of and maps depicting the region, the vicinity, and the site and its immediate surroundings.	p.3.2-1, Section 3.2 Map 3.2-1	Yes	
Appendix B (a) (1) (D)	A full-page color photographic reproduction depicting the visual appearance of the site prior to construction, and a full-page color simulation or artist's rendering of the site and all project components at the site, after construction.	Figure 5.13-6a, Section 5.13 Figure 3.4-4, Section 3.0	Yes	

Appendix B (a) (1) (E)	In an appendix to the application, a list of current assessor's parcel numbers and owners' names and addresses for all parcels within 500 feet of the proposed transmission line and other linear facilities, and within 1000 feet of the proposed powerplant and related facilities.	Appendix W	Yes	
Appendix B (a) (2)	Project Schedule: Proposed dates of initiation and completion of construction, initial start-up, and full-scale operation of the proposed facilities.	Table 3.8-1 and Figure 3.8-1, Section 3.8	Yes	
Appendix B (a) (3) (A)	A list of all owners and operators of the site(s), the power plant facilities, and, if applicable, thermal host, the geothermal leasehold, the geothermal resource conveyance lines, and the geothermal re-injection system, and a description of their legal interest in these facilities.	Section 3.0	Yes	
Appendix B (a) (3) (B)	A list of all owners and operators of the proposed electric transmission facilities.	p.1-4, Section 1.5.4 p.3.6-1, Section 3.6	YesNo	<del>Please identify who will build and own the new 230 kV transmission line.</del>
Appendix B (a) (3) (C)	A description of the legal relationship between the applicant and each of the persons or entities specified in subsections (a)(3)(A) and (B).	p.2-1, Section 2.2	Yes	
Appendix B (b) (1) (A)	Maps at a scale of 1:24,000 (1" = 2000'), along with an identification of the dedicated leaseholds by section, township, range, county, and county assessor's parcel number, showing the proposed final locations and layout of the power plant and all related facilities;	Map 3.2-1 p.3.2-1, Section 3.2	YesNo	<del>Providing the assessor's parcel for item (a) will be sufficient.</del>
Appendix B (b) (1) (B)	Scale plan and elevation drawings depicting the relative size and location of the power plant and all related facilities;	Figures 3.4-1 and Figures 3.4-2, Section 3.4	YesNo	<del>Please add labels to Figure 3.4-1 showing the height and width of the major structures. If Figure 3.4-1 has a scale, any height measurements are only estimates and it will depend on the accuracy of the scale. Providing these labels will satisfy part of the requirements for Item (g)(6)(D) also.</del>
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	Section 3.0	Yes	
Appendix B (b) (2) (A)	Maps at a scale of 1:24,000 of each proposed transmission line route, showing the settled areas, parks, recreational areas, scenic areas, and existing transmission lines within one mile of the proposed route(s).	Map 3.2-1, Section 3.0	Yes	

Appendix B (b) (2) (B)	A full-page color photographic reproduction depicting a representative above ground section of the transmission line route prior to construction and a full-page color photographic simulation of that section of the transmission line route after construction.	Figure 5.13-9a Figure 5.13-9b, Section 5.13	Yes	
Appendix B (c)	In a section entitled, "Demand Conformance" provide a discussion explaining how the proposed project conforms with the requirements of Public Resources Code § 25524 or Public Resources Code § 25540.6(a)(5). If the provisions of Public Resources Code § 25523.5 are applicable, explain how the project conforms with the requirements of this section. Additional data adequacy requirements may be contained in the Electricity Report applicable pursuant to Title 20, California Code of Regulations, § 1720.5.	p.1-2, Section 1.3	YesN/A	<del>As of January 1, 2000 the Commission no longer requires applicants to demonstrate need conformance. Please revise the discussion reflect the change to the Public Resources Code.</del>
Appendix B (d) (1)	A copy of any study or analysis required by the terms of the Commission's Final Decision on the NOI, and a brief summary of the results of the study or analysis.	Not applicable	-----	
Appendix B (d) (2)	Updates of any significant information which has changed since the Commission's Final Decision on the NOI.	Not applicable	-----	
Appendix B (e) (1)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	p.3.10-1, Section 3.10	Yes	

Adequacy Issue: Adequate ☒ Inadequate

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date Jan 12 2000

Technical Area: Public Health

Project: Midway-Sunset

Technical Staff: Obed Odoemelam

Project Manager: Jack Caswell

Docket: 99-AFC-9

Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5, pages 5.16-1 through 6.16-3, and 5.16-13. Section 5.0, pages 5.2-37 through 5.2-41.,	Yes	
Appendix B (g) (9) (A)	A list of all toxic substances emitted by the project under normal operating conditions, which may cause an adverse public health impact as a result of acute, chronic, or sub-chronic exposure and to which members of the public may be exposed. This list should include, at a minimum, any pollutants emitted by the project that are listed pursuant to Health and Safety Code § 25249.8.	Section 5.16, page 5.16-2	Yes	
Appendix B (g) (9) (B)	A protocol describing the analysis which the applicant will conduct to determine the extent of potential public exposure to substances identified in subsection (g)(9)(A) resulting from normal facility operation. The analysis itself can be submitted after the AFC is complete.	Section 5.16, pages 6.16-3 through 5.16-10. Appendix X.	Yes	
Appendix B (g) (9) (C)	A map at a scale of 1:24,000, showing all terrain areas exceeding the elevation of the stack within a 10 mile radius of the facility.	Section 5.16, page 5.16-2	Yes	
Appendix B (g) (9) (D)	A map at a scale of 1:24,000, showing the distribution of population and sensitive receptors within the area exposed to the substances identified in subsection (g)(9)(A).	Section 5.16-4	Yes	

Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 7.0, page 7.0-42	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 7.0, page 7.0-42	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 7.0, page 7.0-7	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	NA	NA	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	NA	NA	

Adequacy Issue: Adequate ☒ Inadequate ☐

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date January 5, 2001

Technical Area: Reliability

Project: Midway Sunset

Technical Staff: Steve Baker

Project Manager: Jack Caswell

Docket: 99-AFC-9

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§§ 1.1, 1.5, 1.5.2, 1.5.5, 1.5.6, 1.6, 1.8.2.2.1, 2.2, 3.1, 3.2, 3.3.1, 3.3.3, 3.3.3.1, 3.4.1; Table 3.4-1; §§ 3.4.4, 3.4.5.8, 3.4.5.9, 3.4.6, 3.4.7, 3.4.7.4, 3.4.14, 3.7.1, 3.7.2, 3.9.1, 3.9.2, 3.9.4, 3.11.3.2, 3.11.3.3, 3.11.3.5, 4.1.1, 4.3.1, 4.3.2.1, 4.3.2.2, 4.3.3.3; Table 4.3-1; §§ 4.3.3, 4.3.4, 4.3.5, 4.3.6, 4.3.7, 7.4.1.1, 7.4.1.2; Appendix T	Yes	
Appendix B (i) (3) (A)	A discussion of the sources and availability of the fuel or fuels to be used over the estimated service life of the facilities.	§§ 1.5.5, 2.2, 3.1, 3.4.1, 3.4.6, 3.7.1, 4.3.5, 7.4.1.2	Yes	
Appendix B (i) (3) (B)	A discussion of the anticipated service life and degree of reliability expected to be achieved by the proposed facilities based on a consideration of:	§§ 3.10, 4.3.1, 7.4.1.2	Yes	
Appendix B (i) (3) (B) (i)	Expected annual and lifetime capacity factors;	§§ 1.6, 2.2, 3.9.2.2, 4.3.1, 4.3.1.1, 4.3.1.2.1, 4.3.1.3, 4.3.2.1, 4.3.3, 4.3.4	Yes	
Appendix B (i) (3) (B) (ii)	The demonstrated or anticipated feasibility of the technologies, systems, components, and measures proposed to be employed in the facilities, including the power generation system, the heat dissipation system, the water supply system, the reinjection system, the atmospheric emission control system, resource conveyance lines, and the waste disposal system;	§§ 1.1, 1.5.2, 3.1, 3.4.1, 3.4.4.1, 3.4.4.2, 3.9.1, 3.11.3.3.3, 4.3.1, 4.3.1.1, 4.3.1.2.1, 4.3.1.3, 4.3.2.1	Yes	
Appendix B (i) (3) (B) (iii)	Geologic and flood hazards, meteorologic conditions and climatic extremes, and cooling water availability;	§§ 1.5.6, 1.7, 1.8.2, 3.1, 3.3.2.3, 3.3.3.1, 3.4.7, 3.5.1, 3.5.4, 3.5.5, 3.5.10, 3.7.2, 4.1.1, 4.1.1.1, 4.1.1.2, 4.3.6; Appendix T	Yes	

Appendix B (i) (3) (B) (iv)	Special design features adopted by the applicant or resource supplier to ensure power plant reliability; and	§§ 1.5.5, 1.5.6, 2.2, 3.1, 3.4.1; Table 3.4-1; §§ 3.4.5.8, 3.4.5.9, 3.4.6, 3.4.7, 3.4.14, 3.7.1, 3.7.2, 3.9.2.3, 3.9.2.6, 3.11.3.3.3, 4.1.1.1, 4.1.1.2, 4.3.1, 4.3.1.1, 4.3.1.3, 4.3.2.1, 4.3.2.2, 4.3.2.3; Table 4.3-1; §§ 4.3.4, 4.3.5, 4.3.6, 4.3.7	Yes	
Appendix B (i) (3) (B) (v)	The expected power plant maturation period.	§§ 3.11.3.3.3, 4.3.1, 4.3.1.1, 4.3.1.2.1, 4.3.4	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	§ 7.4.1.1; Table 7.1-1; § 7.4.1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	N/A	N/A	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	N/A	N/A	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	N/A	N/A	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A	N/A	

Adequacy Issue: Adequate ☒ Inadequate ☐

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/29/99

Technical Area: Socioeconomics

Project: MidwaySunsetWest

Technical Staff: Dr. Joseph Diam

Project Manager: Jack Caswell

Docket: 99-AFC-9

Technical Senior: Dale Edward

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC COMPLY WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC, Vol I 5.10.2.3 Employment and Economy, pages 5.10-11&12 <u>Supplemental Information</u> 5.10 Socioeconomics, page SI-5.10-1	Yes	<del>Please provide the IMPLAN (note on AFC p.5.10-11) income and employment multipliers used for the impact analysis for construction and operations in Kern County. Further specify the construction direct, indirect, and induced income and employment impacts and the operation direct, indirect, and induced income impacts for Kern County.</del>
Appendix B (g) (7) (A)	A description of the socioeconomic circumstances of the vicinity and region affected by construction and operation of the project. Include:			
Appendix B (g) (7) (A) (i)	The economic characteristics, including the economic base, fiscal resources, and a list of the applicable local agencies with taxing powers and their most recent and projected revenues;	Employment and Economy pages 5.10-5 to 5.10-7. Fiscal Resources, pages 5.10-9&10 5.10.2.8 Fiscal Resources, Page 5.10-13	Yes	
Appendix B (g) (7) (A) (ii)	The social characteristics, including population and demographic and community trends;	5.10.1.2 Population, pages 5.10-2&3	Yes	
Appendix B (g) (7) (A) (iii)	Existing and projected unemployment rates;	5.10.1.3 Employment and Economy, pages 5.10-5 to 5.10-7 <u>Supplemental Information-</u> <u>page 5.10-</u> <u>Socioeconomics, page SI-</u> <u>5.10-4.</u>	Yes	<del>Please provide an estimate of projected unemployment rates.</del>
Appendix B (g) (7) (A) (iv)	Availability of skilled workers by craft required for construction and operation of the project;	5.10.2.2 Population, page 5.10-11 <u>Supplemental Information,</u> <u>page 5.10 Socioeconomics,</u> <u>page SI-5.10-5</u>	Yes	<del>Please provide in detail information availability of skilled workers by craft required for construction and operation of the project from The Kern County Building Trades Council or other sources if relevant.</del>
Appendix B (g) (7) (A) (v)	Availability of temporary and permanent housing; and	5.10.1.4 Housing, pages 5.10-7&8 <u>Supplemental Information,</u> <u>5.10 SocioeconomicS,</u> <u>PAGE si-5. 10-6</u>	Yes	<del>Please provide vacancy rates for hotel/motels. See La Paloma AFC 5.10.1.4 Housing, pages 5.10-7&amp;8</del>



Appendix B (g) (7) (A) (vi)	Capacities, existing and expected use levels, and planned expansion of utilities (gas, water and waste) and public services, including fire protection, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information for each school district shall include current enrollment and yearly expected enrollment by grade level groupings, excluding project-related changes, for the duration of the project construction schedule.	5.10.6 Utilities, page 5.10-9 5.10.1.7 Emergency and other services, page 5.10-9 Utilities, page 5.10-13 Emergency and Other Services, page 5.10-13 5.14 Waste Management, pages 5.14-1 to 5.14-18	Yes	
Appendix B (g) (7) (B)	A discussion of the socioeconomic impacts caused by the construction and operation of the project, including:			
Appendix B (g) (7) (B) (i)	The number of workers to be employed each month by craft during construction and operation;	<u>Supplemental Information, 5.10 Socioeconomics, page SI-5.10-7</u>	Yes	<del>Please provide the number of workers to be employed each month by craft during construction and operation.</del>
Appendix B (g) (7) (B) (ii)	An estimate of the number and percentage of workers who will commute daily, commute weekly, or relocate in order to work on the project;	5.10.2.2 Population, page 5.10-11 5.11 Traffic and Transportation 5.11.2.2.1 Construction-Related Impacts, page 5.11-24&25	Yes	
Appendix B (g) (7) (B) (iii)	An estimate of the potential population increase caused directly and indirectly by the project;	5.10.2.2 Population, page 5.10-11 Construction-Related Impacts, pages 5.11-24&25 Operation - Related Impacts, Page 5.11-29&30	Yes	
Appendix B (g) (7) (B) (iv)	The potential impact of population increase on housing during the construction and operations phases;	5.10.2.4 Housing, page 5.10-12	Yes	
Appendix B (g) (7) (B) (v)	The potential impacts, including additional costs, on utilities (gas, water and waste) and public services, including fire, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information on schools shall include project-related enrollment changes by grade level groupings and associated facility and staffing impacts by school district during the construction and operation phases;	5.10.2.6 Utilities, page 5.10-13 Emergency and Other Services, page 5.10-13 5.14 Waste Management, pages 5.14-1 to 5.14-18	Yes	

Appendix B (g) (7) (B) (vi)	An estimate of applicable school impact fees;	5.10.1.5 Schools, Pages 5.10-8&9 <u>5.10.2.5 Schools, page 45.10-12</u> <u>Supplemental Information 5.10 Socioeconomics, page SI-5.10-8</u>	Yes	<del>If applicable, please provide an estimate of school impact fees. At please provide the number of square feet that the impact fee will be based on.</del>
Appendix B (g) (7) (B) (vii)	An estimate of the total construction payroll and an estimate of the total operation payroll;	5.10.2.3 Employment and economy, page 5.10-11&12 <u>Supplemental Information 5.10 Socioeconomics, page SI-5.10-9</u>	Yes	<del>Please provide an estimate of the total operation payroll.</del>
Appendix B (g) (7) (B) (viii)	An estimate of the expenditures for locally purchased materials for the construction and operation phases of the project; and	5.10.2.3 Employment and Economy, page 5.10-12 <u>Supplemental Information 5.10 Socioeconomics, page SI-5.10-10</u>	Yes	<del>Please provide an estimate for locally purchased materials for the operation phases of the project.</del>
Appendix B (g) (7) (B) (ix)	An estimate of the capital cost of the project of the potential impacts on tax revenues from construction and operation of the project.	6.0 Financial Information, page 6.0-1 5.10.1.8 Fiscal Resources, page 5.10-9, page 5.10-9&10 and Table 5.10-8, page 5.10-10 <u>Supplemental Information 5.10 Socioeconomics, page SI-5.10-11&amp;12</u>	Yes	<del>Please provide an estimate of local county, and state sales tax from the construction and operation of the project.</del>
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	7.5.10 Socioeconomics pages 7.0-27&28 <u>Supplemental Information 5.10 Socioeconomics, page SI-5.10-13&amp;14</u>	Yes	<del>Please include a discussion of the Kern County General Plan in regard to socioeconomics. See Sunrise 1 Laws, Ordinances, Regulations, and Standards, Table 10-1, 8.8 socioeconomics, page 10-14.</del>
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	<u>Supplemental Information 5.10 Socioeconomics, page SI-5.10-19</u>	Yes	<del>See the comment above for (h)(1)</del>

Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	5.10.6 LORS Compliance, page 5.10-16 <u>Supplemental Information 5.10 Socioeconomics, page SI-5.10-14</u>	Yes	<del>Please discuss the conformity issue regard to the General Plan items related to socioeconomics.</del>
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	5.10.7 Involved Agencies and Agency Contacts, page 5.8-16 Supplemental Information 5.10 Socioeconomics, page SI-5.10-17	Yes	<del>Please provide the name, title, phone number, and address, if known, of contact person within each agency: sheriff departments, school districts, hospitals, Kern Council of Governments, Kern County Superintendent of Schools, and Kern County Economic Development Corporation.</del>
Appendix (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A	N/A	N/A

Adequacy Issue: Adequate ☒ Inadequate ☐

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date Jan. 6, 2000

Technical Area: Soils

Project: Western Midway Sunset Cogen. Co. Proj.

Technical Staff: Joe O'Hagan/L. White

Project Manager: Jack Caswell

Docket: 99-AFC-9

Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Figure 3.8-6 Section 5.4 Table 5.4-4	Yes	
Appendix B (g) (15) (A)	A map at a scale of 1:24,000 and written description of soil types and all agricultural land uses that will be affected by the proposed project. The description shall include:	Map 5.4-1 Table 5.4-1 Section 5.4.1.2	Yes	
Appendix B (g) (15) (A) (i)	The depth, texture, permeability, drainage, erosion hazard rating, and land capability class of the soil; and	Table 5.4-2	Yes	
Appendix B (g) (15) (A) (ii)	An identification of other physical and chemical characteristics of the soil necessary to allow an evaluation of soil erodibility, permeability, re-vegetation potential, and cycling of pollutants in the soil-vegetation system.	Table 5.4-2	Yes	
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This discussion shall include:	Section 3.5.10 Section 5.2.4.3.6 Section 5.4.2 et al.	Yes	
Appendix B (g) (15) (C) (i)	The quantification of accelerated soil loss due to wind and water erosion;		n/a	
Appendix B (g) (15) (C) (iii)	The effect of power plant emissions on surrounding soil-vegetation systems.	Section 5.2.4.3.6	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 5.4-5	Yes	

Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.4-5	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.4.5, page 5.4-17	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.4-6	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 5.4.7, page 5.4-20	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

## DATA ADEQUACY WORKSHEET

Revision No. 2 Date February 25, 20

Technical Area: Traffic and Transportation

Project: Western Midway Sunset Cogen. Co. Proj.

Technical Staff: Eric Knight

Project Manager: Jack Caswell

Docket: 99-AFC-9

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pages 5.11-1 – 5.11-23; Section 5.11.1 Pages 5.11-23 – 5.11-34; Section 5.11.2 Page 5.11-34; Section 5.11.3 Page 5.11-35; Section 5.11.4	YES	
Appendix B (g) (5) (A)	A regional transportation setting, on topographic maps (scale of 1:250,000), identifying the project location and major transportation facilities. Include a reference to the transportation element of any applicable local or regional plan.	Figure 5.11-1 Pages 5.11-1 – 5.11-6; Section 5.11.1.1	YES	
Appendix B (g) (5) (B)	An identification, on topographic maps at a scale of 1:24,000 and a description of existing and planned roads, rail lines, including light rail, bike trails, airports, bus routes serving the project vicinity, pipelines, and canals in the project area affected by or serving the proposed facility. For each road identified, include the following information, where applicable:	Figures 5.11-2a – 5.11-2e Pages 5.11-6 – 5.11-22; Sections 5.11.1.2 – 5.11.1.5	YES	
Appendix B (g) (5) (B) (i)	Road classification and design capacity;	Page 5.11-6; Section 5.11.1.2 Table 5.11-2 – 5.11-3 Supplement Tables S1-5.11-2 and S1-5.11-3; Section 5.11	YES	
Appendix B (g) (5) (B) (ii)	Current daily average and peak traffic counts;	Tables 5.11-2 – 5.11-3	YES	
Appendix B (g) (5) (B) (iii)	Current and projected levels of service before project development, during construction, and during project operation;	Tables 5.11-2 – 5.11-3 Tables 5.11-5 – 5.11-6 Page 5.11-29; Section 5.11.2.2.2	YES	
Appendix B (g) (5) (B) (iv)	Weight and load limitations;	Page 5.11-20; Section 5.11.1.5	YES	
Appendix B (g) (5) (B) (v)	Estimated percentage of current traffic flows for passenger vehicles and trucks; and	Tables 5.11-2 – 5.11-3	YES	

Appendix B (g) (5) (B) (vi)	An identification of any road features affecting public safety.	Page 5.11-22; Section 5.11.1.5  Supplement Page S1-5.11-5; Section 5.11	YES	
Appendix B (g) (5) (C)	A description of any new, planned, or programmed transportation facilities in the project vicinity, including those necessary for construction and operation of the proposed project. Specify the location of such facilities on topographic maps at a scale of 1:24,000.	Page 5.11-22; Section 5.11.1.5 Page 3.5-2; Section 3.5.6 Figure 5.11-2c Figure 3.5-1 Supplement Page S1-5.11-6; Section 5.11	YES	
Appendix B (g) (5) (D)	An assessment of the construction and operation impacts of the proposed project on the transportation facilities identified. Include anticipated project-specific traffic, estimated changes to daily average and peak traffic counts, levels of service, and traffic/truck mix, and the impact of construction of any facilities identified in subsection (g)(5)(C).	Pages 5.11-24 – 34; Sections 5.11.2.2 – 5.11.2.5  Tables 5.11-5 – 5.11-6  Supplement Pages S1-5.11-7 – S1-5.11-9; Table S1-5.11-10; Section 5.11  Additional Supplemental Information Pages S2-5.11-1 – S2-5.11-2; Table S2-5.11-11	YES	
Appendix B (g) (5) (E)	A discussion of project-related hazardous materials to be transported to or from the project during construction and operation of the project, including the types, estimated quantities, estimated number of trips, anticipated routes, means of transportation, and any transportation hazards associated with such transport.	Page 5.11-30; Section 5.11-29  Tables 5.15-1 – 5.15-2; Section 5.15  Supplement Pages S1-5.11-10 – S1-5.11-13; Table S1-5.11-12; Section 5.11	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 5.1-7	YES	

Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.11-8	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Page 5.15-17; Section 5.15.3 Page 5.11-26; Section 5.11.2.2.1 Page 5.11-31 – 5.11-32; Section 5.11.2.3 Page 5.11-33; Section 5.11.2.4	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.11-8	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 5.11-9	YES	



Adequacy Issue: Adequate X Inadequate       

Technical Area: **Transmission Line Safety and Nuisance.**

Project Manager: Jack Caswell

Project: Midway-Sunset

Docket: 99-AFC-9

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date Jan

Technical Staff: Obed Odoemelum

Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (18) (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.	Section 3.6, pages 3.6-3 and 3.6-4.	Yes	
Appendix B (g) (18) (B)	An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project.	Section 3.6, pages 3.6-5 through 3.6-8. Section 5.15, pages 5.16-11 and 5.16-12.	Yes	
Appendix B (g) (18) (C)	Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels.	Section 3.6, pages 3.6-2 and 3.6-3.	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 7.0, pages 7.0-42 and 7.0-43.	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 7.0, pages 7.0-42 and 7.0-43.	Yes	

Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 7.0, page 7.0-9 and 7.0-10.	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	NA	NA	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	NA	NA	

Adequacy Issue: Adequate ☒ Inadequate

## DATA ADEQUACY WORKSHEET

Revision No. \_\_\_\_\_ Date 1/18/00

Technical Area: Transmission System Eng.Project: Western Midway SunsetTechnical Staff: Mark HestersProject Manager: Jack Caswell

Docket: \_\_\_\_\_

Technical Senior: Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (2) (A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.	3.6-1 to 3.6-4	Yes	
Appendix B (i) (2) (B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.	3.6-4 to 3.6-5	Yes	
Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators. This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter; and	3.6-1 to 3.6-4 and Appendix V Supplemental Filing SI-3.6-1 and System Impact Study	<del>No</del> Yes	<del>Provide load flow diagrams which demonstrate conformance with reliability and planning cri</del>
Appendix B (b) (2) (D)	A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints.	3.6-1 to 3.6-4 and 3.11-15 to 3.11-6	Yes	

Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	3.6-3	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.		N/A	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	3.6-3	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		N/A	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		N/A	

Adequacy Issue: Adequate X Inadequate

Technical Area: **Visual Resources**

Project Manager: Jack Caswell

## DATA ADEQUACY WORKSHEET

Project: Western Midway Sunset Cogeneration  
Company Project

Docket: 99-AFC-9

Revision No. \_\_\_\_\_

Date 02-16-2000

Technical Staff: David Flores

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC pg. 5.13-3, Section 5.13.1.3 AFC pg. 5.13-48 & 49, Section 5.13.5 AFC pg.5.13-48, Section 5.13.4 AFC pg. 5.18-10, Section 5.18.13	Yes	
Appendix B (g) (6) (A)	Descriptions of the existing visual setting of the vicinity of the project, the region that can be seen from the vicinity of the project, and the proposed project site. Include:	AFC pg. 5.13-2 & 3 Section 5.13.1.2 AFC pg. 5.13-3, 4, & 5 Section 5.13.1.3, 4 & 5	Yes	
Appendix B (g) (6) (A) (i)	Topographic maps at a scale of 1:24,000 of the areas from which the project may be seen, identification of the view areas most sensitive to the potential visual impacts of the project, and the locations where photographs were taken for (g)(6)(E);	Figures 5.13-1, 2, 3 & 4	Yes	
Appendix B (g) (6) (A) (ii)	Elevations of any existing structures on the site; and	Not Provided in Section 3.0 or other sections AFC pg.S1-5.13-1	<del>No</del> -Yes	<del>Provide elevations of all existing structures on the site.</del>
Appendix B (g) (6) (A) (iii)	The visual properties of the topography, vegetation, and any modifications to the landscape as a result of human activities.	AFC pg. 5.13-45 & 46 Section 5.13.2.2 through 5.13.2.2.3	Yes	
Appendix B (g) (6) (B)	An assessment of the visual quality of those areas that will be impacted by the proposed project.	AFC pg. 5.13-46, 47 & 48 Section 5.13.2.3 & 4	Yes	

Appendix B (g) (6) (C)	After discussions with staff and community residents who live in close proximity to the proposed project, identify the scenic corridors and any visually sensitive areas potentially affected by the proposed project, including recreational and residential areas. Indicate the approximate number of people using each of these sensitive areas and the estimated number of residences with views of the project. For purposes of this section, a scenic corridor is that area of land with scenic natural beauty, adjacent to and visible from a linear feature, such as a road, or river.	AFC pg. 5.13-8, 17, 18, 19 & 20 Section 5.13.1.6.3	Yes	
Appendix B (g) (6) (D)	A description of the dimensions, color, and material of each major visible component of the project.	AFC pg. 5.13-45 & 46 Section 5.13.2.2 through 5.13.2.2.3 <u>AFC pg. S1-5.13-2</u>	<del>No</del> -Yes	<del>Please describe the colors and building materials that will be used for the major project components, in addition to the height/width labels required for Item (b) (1).</del>  <del>Staff did not find the dimensions for the plan components listed in Appendix E, or on Figure 3.4-1. As noted for Item (b)(1) the scale on Figure 3.4-1 is difficult to use when assessing the size and possible visual impacts of the proposed new facility.</del>
Appendix B (g) (6) (E)	Full-page color photographic reproductions of the existing site, and full-page color simulations of the proposed project in the existing setting from each location representative of the view areas most sensitive to the potential visual impacts of the project.	AFC figure 5.13-5a through 10 b	Yes	
Appendix B (g) (6) (F)	An assessment of the visual impacts of the project, including light and glare, and visible plumes.	AFC pg. 5.13-46, Section 5.13.2.3	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.1-1 Pg. 7.0-51	Yes	

Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	AFC pg. 7.0-32 & 33 Section 7.5.13 through 7.5.13.3	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC pg. 3.13-50 Section 5.13.6.3 Table 5.13-2, AFC pg. 5.13-51	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	AFC pg. 5.13-51 Section 5.13-3	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	AFC pg. 5.13-51 Section 5.13.8 Table 5.13-4	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date Jan. 5, 2000

Technical Area: **Waste Management**

Project: Western Midway Sunset Cogeneration

Technical Staff: Mike Ringer

Project Manager: Jack Caswell

Docket: 99-AFC-9

Technical Senior: Greg Newhouse

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	sec. 5.14.2.1 sec. 5.14.2.3	YES	
Appendix B (e) (2)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	sec. 5.14.3.1	YES	
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	sec. 5.14.2.1 sec. 5.14.2.3 sec. 5.14.4 sec. 5.14.5.1 sec. 5.14.5.3 sec. 5.14.5.4	YES	
Appendix B (g) (12) (A)	A Phase I Environmental Site Assessment for the proposed power plant site using methods prescribed by the American Society for Testing and Materials (ASTM) document entitled "Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process" (Designation: E 1527-93, May 1993), which is incorporated by reference in its entirety; or an equivalent method agreed upon by the applicant and the CEC Staff that provides similar documentation of the potential level and extent of site contamination.	Appendix Q	YES	
Appendix B (g) (12) (B)	A description of each waste stream estimated to be generated during project construction and operation, including origin, hazardous or nonhazardous classification pursuant to Title 22, California Code of Regulations, § 66261.20 et seq., chemical composition, estimated annual weight or volume generated, and estimated frequency of generation.	sec. 5.14.2.1.1 sec. 5.14.2.1.2 sec. 5.14.2.3.1 sec. 5.14.2.3.2 Table 5.14-2 Table 5.14-3	YES	



Appendix B (g) (12) (C)	A description of all waste disposal sites which may feasibly be used for disposal of project wastes. For each site, include the name, location, classification under Title 23, California Code of Regulations, § 2530 et seq., the daily or annual permitted capacity, daily or annual amounts of waste currently being accepted, the estimated closure date and remaining capacity, and a description of any enforcement action taken by local or state agencies due to waste disposal activities at the site.	Table 5.14-1 sec. 5.14.1.2	YES	
Appendix B (g) (12) (D)	A description of management methods for each waste stream, including methods used to minimize waste generation, length of on- and off-site waste storage, re-use and recycling opportunities, waste treatment methods used, and use of contractors for treatment.	sec. 5.14.2.1.1 sec. 5.14.2.1.2 sec. 5.14.2.3.1 sec. 5.14.2.3.2	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.1-1	YES	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 7.1-1	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	sec. 5.14.7.1 sec. 5.14.7.2 sec. 5.14.7.3	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.14-4	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 5.14-5	YES	

Adequacy Issue: Adequate ☒ Inadequate ☐

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date Feb. 25, 2000

Technical Area: **Water Resources**

Project: Western Midway Sunset Cogen. Co. Proj.

Technical Staff: Joe O'Hagan/ L. White

Project Manager: Jack Caswell

Docket: 99-AFC-9

Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 3.3 Section 3.4.4.4 Section 3.11.4, 3.11.5 and 3.11.6 Section 5.5 Section 5.14.2.1; S1-5.5-1 to S1-5.5-4	Yes	
Appendix B (g) (14) (A)	All information required by the Regional Water Quality Control Board in the region where the project will be located to apply for:			
Appendix B (g) (14) (A) (i)	Waste Discharge Requirements; and	Section 5.14.5.2	Yes	
Appendix B (g) (14) (A) (ii)	a National Pollutant Discharge Elimination System Permit.		N/A	
Appendix B (g) (14) (B)	A description of the hydrologic setting of the project. The information shall describe, in writing and on maps at a scale of 1:24,000, the chemical and physical characteristics of the following water bodies that may be affected by the proposed project:	Section 3.3.3 Section 5.5.1	Yes	
Appendix B (g) (14) (B) (i)	Ground water bodies and related geologic structures;	Section 3.3.2.1, 3.3.3.2 Section 5.5.1.1 Figures 5.5-1, 5.5-2 and 5.5-3	Yes	
Appendix B (g) (14) (B) (ii)	Surface water bodies; and	Section 3.3.3.1 Section 5.5.1.2	Yes	
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	Map 5.5-2	See FACILITY DESIGN	
Appendix B (g) (14) (C)	A description of the water to be used and discharged by the project. This information shall include:			

Appendix B (g) (14) (C) (i)	Source of the water and the rationale for its selection, and if fresh water is to be used for power plant cooling purposes, a discussion of all other potential sources and an explanation why these sources were not feasible;	Section 3.4.7 et al. Section 5.5.1.3 pg. 5.5-16 Appendix T and U; S1-5.5-5 to S1-5.5-6	Yes	
Appendix B (g) (14) (C) (ii)	The physical and chemical characteristics of the source and discharge water;	pg. 3.4-20 pg. 5.14-6; Table S1-5.5-1	Yes	
Appendix B (g) (14) (C) (iii)	Average and maximum daily and annual water demand and waste water discharge for both the construction and operation phases of the project; and	Table 3.4-2 pg. 5.5-15 Appendix B Section 5.14.2.2; S1-5.5-8	Yes	
Appendix B (g) (14) (C) (iv)	A description of all facilities to be used in water conveyance, treatment, and discharge. Include a water mass balance diagram.	Section 3.4.7 pg. 3.7-2 Appendix B; S1-5.5-5 to S1-5.5-6	Yes	
Appendix B (g) (14) (D)	A description of pre-, and post-construction runoff and drainage patterns, including:	pg. 3.3-3 Figure 3.5-1 and 3.5-2	See FACILITY DESIGN	
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	pg. 3.3-3 Section 5.5.1	See FACILITY DESIGN	
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	Figure 3.5-1 pg. 5.5-18	See FACILITY DESIGN	
Appendix B (g) (14) (E)	An assessment of the effects of the proposed project on water resources. This discussion shall include:			
Appendix B (g) (14) (E) (i)	The effects of project demand on the water supply and other users of this source;	pg. 5.5-15 Section 5.5.5; S1-5.5-10	Yes	
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	Section 5.5.1.7.2 Section 5.5.2.1.4 Section 5.14.2.1.1 Section 5.14.2.2.1; S1-5.5-11 to S1-5.5-13	Yes	
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	Section 5.5.2.1.3	See FACILITY DESIGN	

Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 5.5-4	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.5-4	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.5.6	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 5.5.7 Table 5.5-5	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 5.5-6	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date 2/25/00

Technical Area: Worker Safety

Project: Midway Sunset

Technical Staff: Chris Tooker

Project Manager: Jack Caswell

Docket: 99-AFC-9

Technical Senior: Chris Tooker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 1.5, page1-3 Section 3.3, pages 3.3-1 to 3 Section 3.4, pages 3.4-1 to 28 Section 3.5, pages 3.5 -1 to 7 Section 5.17.2, pages 5.17-1 to 16 Section 5.17.3, page 5.17-16 Section 5.18.17, page 5.18-11	Yes	
Appendix B (g) (11) (A)	A description of the safety training programs which will be required for construction and operation personnel.	Section 5.17.2.1.1, pages 5.17-2 and 8	Yes	
Appendix B (g) (11) (B)	A complete description of the fuel handling system and the fire suppression system.	Section 5.17.2.1.2, pages 5.17-15 and 16 Section 3.4.6, page 3.4-19	Yes	
Appendix B (g) (11) (C)	Provide draft outlines of the Construction Health and Safety Program and the Operation Health and Safety Program, as follows: Construction Health and Safety Program: * Injury and Illness Prevention Plan (8 Cal. Code Regs., § 1509); * Fire Protection and Prevention Plan (8 Cal. Code Regs., § 1920); * Personal Protective Equipment Program (8 Cal. Code Regs., §§ 1514-1522) Operation Health and Safety Program: * Injury and Illness Prevention Program (8 Cal. Code Regs., § 3203); * Fire Prevention Plan (8 Cal. Code Regs., § 3221); * Emergency Action Plan (8 Cal. Code Regs., § 3220); * Personal Protective Equipment Program (8 Cal. Code Regs., §§ 3401-3411).	Section 5.17.2, pages 5.17-1 to 16  Section 5.17.2.1.1, pages 5.17-2 to 5  Section 5.17.2.1.1, page 5.17-6 Section 5.17.2.1.1, page 5.17-6 Section 5.17.2.1.2, page 5.17-7  Section 5.17.2.1.2, pages 5.17-15 and 16 Section 5.17.2.1.2, page 5.17-15 Section 5.17.2.1.2, pages 5.17-9 to 15	Yes  Yes Yes Yes  Yes Yes Yes	

Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 7.4.2, pages 7.0-3 to 9  Section 5.17.6.5, page 5.17-23	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.17-7, page 5.17-24	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.17.2.1.1, pages 5.17-2 to 6 Section 5.17.2.1.2, pages 5.17-6 to 16	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.17-6, page 5.17-24	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	NA		